CORONAVIRUS

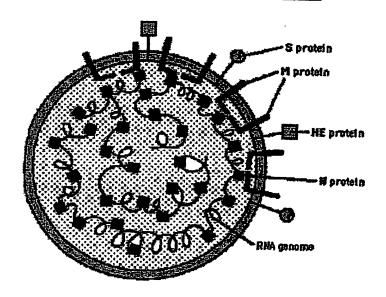


FIG. 1

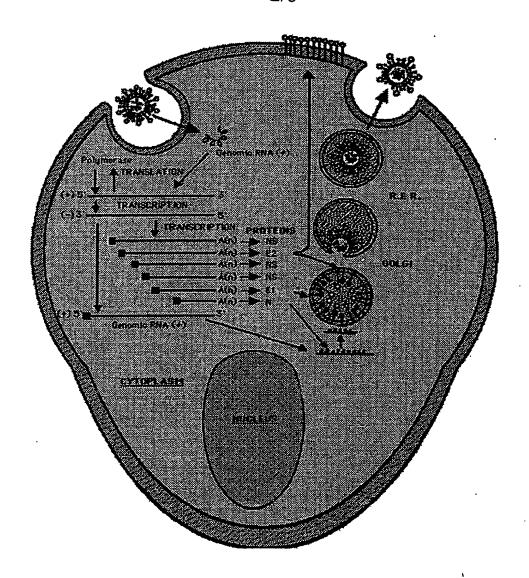


FIG. 2

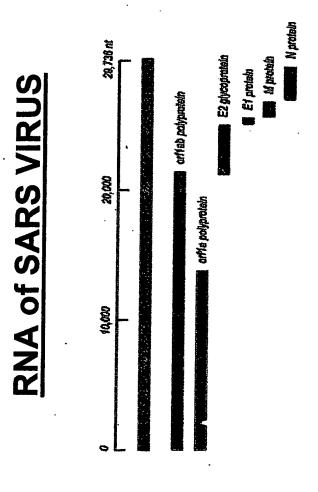


FIG. 3

****	****	** **	 * * *	Spike protein aa 1-1256[Seq#2]
				aa 275-1081[Seq#3]
		11	 - III	aa 354-601, aa 754-1031
			 - IV	aa 354-1031

* Denotes potential glycosylation site

FIG. 4

SARs spike protein Pichia expression constructs

N-AVDGS PICZaA/SPv5/18

N-VENG-C PPICZaA/SPv6/11

N-VEY-C PPICZaA/SPv8/11

PPICZaA/SPv6/33

N-AEQDRN SGYHL-C PPICZaA/SPv7/35

FIG. 5

SARs expression constructs verification by restriction digestion

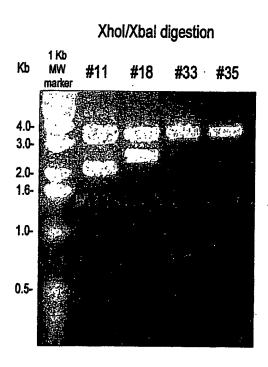
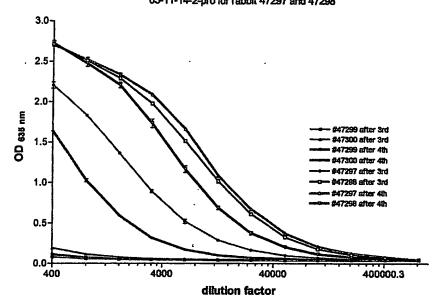


FIG. 6

ELISA titers of rabbit serum against SARs spike protein 03-11-14-1-pro for rabbit 47299 and 47300 03-11-14-2-pro for rabbit 47297 and 47298

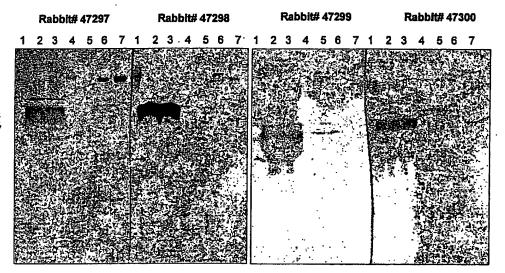


Peptide sequence to immunize rabbit #47297 and 47298: QILPDPLKPTKRSFI
Peptide sequence to immunize rabbit #47299 and 47300: TRNIDATSTGNYNYKY

FIG. 7

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Western blot analysis



- 1. Seeblue Plus MW
 2. 20 ut of Complete DMEM+10% FBS control media
 3. 20 ut of Complete DMEM+10% FBS media from HEK283 cell transfected with spike protein
 4. 20 ut of Cpti-MEM media from HEK293 cell transfected with spike protein
 5. 20 ut of Cpti-MEM control media
 6. 1.2 ug of spike protein produced by VRC
 7. 1.1 ug of spike protein produced by PP

FIG. 8